FOR MYSORE STATE

PW (1955) Department.

MS SERIES.

G.O. No. MS. 4780

4780

Dated 22-12-55

Passed
Sd/-
9/2/56

[Despatch Abstract.]

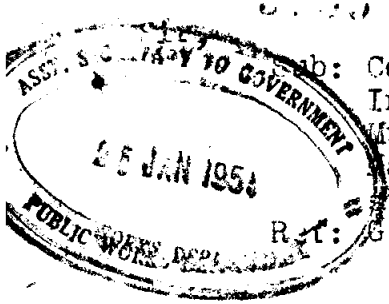
municipalities - Roads of economic or inter-State importance South Kanara estimates for construction of bridges across Pavanje, Lukki and Udaya and Nos. 13/4, 13/4 and 38/5 of Mangalore Bandar Coast Road - Rev[illegible] for Rs.9,200/- Approval of Govt. of India - Communicated.

HIGHWAYS DEPARTMENT.

From
Sri K.K.Nambiar,B.E.,M.I.E.(Ind)
F.Inst.H.E.(Eng) M.I.Mun.E.(Eng)
M.Am.Soc.C.E.,
Chief Engineer(Highways)
Chepauk, Madras-5

To
The Secretary to Government,
Public Works Department,
Fort St. George,
Madras-9.

Letter No. 44080 J1/54-HP dated 19-1-55.



Sub: Communications - Bridges - South Kanara District - Investigation for construction of bridges across Pavanje, Mulki and Udiyavar rivers at Mile 13/2, 13/4 and 33/5 of Mangalore -Udipi-Road - particulars of sanctioned estimate submitted.

Ref: G.O.Ms.No.4233 P.W. dated 1-12-54.

****

I enclose herewith statements showing the particulars of the sanctioned estimates for the investigation of the three bridge works under reference for transmission to the Government of India.

For Chief Engineer(Highways) 19.1.55

* LG.19.1.

STATEMENT SHOWING THE PARTICULARS OF THE NUMBER, DATE, TITLE AND AMOUNT OF THE ESTIMATES OR REVISED ESTIMATES IN RESPECT OF WORKS OTHER THAN NATIONAL HIGHWAYS FINANCED UNDER SPECIAL GRANTS IN AID SCHEME OF GOVERNMENT OF INDIA.

1. Serial No.	--
2. Sl.No. of the scheme as entered in the statement accompanied the ~~G.O. communicating~~ Govt. of India's ~~approval~~ to the scheme.	Item in the statement enclosed with Government of India's letter No. P.L.15(12) /53 dated 6-5-54 and G.O.No.2224 P.W.D. dated 24-6-54.
3. Name of work as sanctioned by the competent authority.	Surveying and preparing detailed estimate for the construction of a bridge at Mile 13/2 over P dvanji River (Job No. FVJ/M.I 56) E.I.
4. Total estimated cost as finally sanctioned:	Rs. 1,050/-
5. No. and date of authority sanctioning the estimate:	D.R.No.1/54-55
6. Estimated cost as entered in the Govt. of India's letter No.	Rs.1,050/-
7. Excess in the Estimate:	-
8. Percentage of excess:	-
9. Reasons for the excess over 10%	-
10. Provision if any for additional temporary Estt. and Tools and Plant:	-
11. Amount debitable to Govt. of India.	Rs.1,050/-
12. REMARKS.	

20.1.55

for CHIEF ENGINEER (HIGHWAYS).

Rt:20.1.56

STATEMENT SHOWING THE PARTICULARS OF THE NUMBER, DATE, TITLE AND AMOUNT OF THE ESTIMATES OR REVISED ESTIMATES IN RESPECT OF WORKS OTHER THAN NATIONAL HIGHWAYS FINANCED UNDER SPECIAL GRANTS IN AID SCHEME OF GOVERNMENT OF INDIA.

1. ~~Serial No.~~	(13)
2. Sl.No. of the scheme as entered in the statement accompanying the ~~G.O. communicating~~ Govt. of India's ~~approval to the scheme~~.	Item in the statement enclosed with Govern ment of India's letter No. P.L.15(12)53 dated 6-5-54 and Government order No.2224 (P.W. dated 24-6-54.
3. Name of work as sanctioned by the competent authority.	Surveying and preparing detailed estimat for the construction of a bridge at mile 13/4 over Mulki River (Job No. E & I/MD/ 57)
4. Total estimated cost as finally sanctioned:	Rs. 1,640/-
5. No. and date of authority sanctioning the estimate:	M.R.No.2/54-55
6. Estimated cost as entered in the Govt. of India's letter ~~No.~~	Rs. 1,640/-
7. Excess in the Estimate:	-
8. Percentage of excess:	-
9. Reasons for the excess over 10%	-
10. Provision if any for additional temporary Estt. and Tools and Plant:	-
11. Amount debitable to Govt. of India.	Rs. 1,640/-
12. REMARKS.	-

E.P. Rivardeja 20.1.58

for CHIEF ENGINEER (HIGHWAYS).

21/12
19/12

STATEMENT SHOWING THE PARTICULARS OF THE NUMBER, DATE, TITLE AND AMOUNT OF THE ESTIMATES OR REVISED ESTIMATES IN RESPECT OF WORKS OTHER THAN NATIONAL HIGHWAYS FINANCED UNDER SPECIAL GRANTS IN AID SCHEME OF GOVERNMENT OF INDIA.

1. Serial No.	-
2. Sl.No. of the scheme as entered in the statement accompanied the ~~G.O.~~ communicating Govt. of India's approval to the scheme.	11) Item in the statement enclosed with Government of India's letter No.P.L.15(12)/53 dated 6-5-54 and G.O.No.2224 P.W. dated 24-6-54.
3. Name of work as sanctioned by the competent authority.	Surveying and preparing detailed estimate for the construction of a bridge at Mile 33/5 over Udayavar river.(Job No. ~~Pt-I/~~MD/58)
4. Total estimated cost as finally sanctioned:	Rs. 2,500/-
5. No. and date of authority sanctioning the estimate:	D.R.No.3/54-55
6. Estimated cost as entered in the Govt. of India's letter ~~No.~~	Rs.2,500/-
7. Excess in the Estimate:	-
8. Percentage of excess:	-
9. Reasons for the excess over 10%	-
10. Provision if any for additional temporary Estt. and Tools and Plant:	-
11. Amount debitable to Govt. of India.	Rs, 2500/-
12. REMARKS.	-

for CHIEF ENGINEER (HIGHWAYS).

Mt:20.12.

9 P.W(A2)

Very urgent

T.M.No. 5733 A/55-1 Dated 8/2/55

From A.S., P.W.D.

To the CE (H)

Subj:- Com $\frac{NS}{II}$ - Roads of economic or inter-State importance - South Kanara district - Investigation for Construction of bridges across Pavanje, Mulki and Udyavar rivers.

T.M. issued 8/2/55

Ref:- Your letter No. 44080-J1/54-H dated 19-1-55

Please furnish urgently copies of the

1D

sanctioned estimates for the bridges across the Mutki and Paranjie rivers as required in para 5 of the Govt of India's letter No. WII-49(1)54 dated 26-11-54.

8/7/55

8.2.55

CE... ...

P 33 CF 1(K)

Date 10/~ ...

P. E. ...

ASST. SECRETARY TO GOVERNMENT
11511
14 FEB 1955
PUBLIC WORKS DEPARTMENT

11

HIGHWAYS DEPARTMENT

From
Sri K.K.Nambiar, B.E., M.I.E.,(Ind),
F.Inst.T.E.,(Eng)M.I.Mun.E.,(Eng),
M. Am. Soc. C. E.,
Chief Engineer (Highways),
Chepauk, Madras-5.

To
The Secretary to Government,
Public Works Department,
Fort St. George,
MADRAS-9.

Letter No.6194 J1/55-1 Dated 11th February 1955.

Sir,

Sub: Communications - Roads of economic or inter state importance - South Kanara District - Investigation for construction of Bridges across Pavanji, Mulki and Udayavar rivers - Sanctioned estimates - furnished.

Ref: Public Works Department, P.M.No.5733 A/55-1 dated 3-2-55.

* * *

I enclose herewith copies of two sanctioned estimates for investigation of Pavanji and Mulki Bridge Works, as called for in the reference cited above.

(A) (C)

for Chief Engineer (Highways).

Encl: Copies of two sanctioned estimates.

Rt:11.2.

(A) + (C)

12 PW(42)

Letter No. 5733-A/55-3 Dated 18-2-55

To

The Secy to the Govt of India,
Ministry of Transport (Roads Wing),
Jaswagar House, New Delhi-2.

Sir,

Sub:- Surveying and preparing detailed estimate for construction of bridges at miles 13/2, 18/4 and 33/5 of Mangalore Udipi road (Job Nos. E&I/MD/56, E&I/MD/57, and E&I/MD/58).

Ref:- Sri Harbans Singh's letter No. WTV-49(1)/54 d/26-11-54.

—:—

I am directed to forward herewith statements showing the usual particulars of sanctioned estimates for investigation for construction of bridges across the Paranje, the Mulki and the Udayavar rivers at mile 13/2, 18/4 and 33/5 of the Mangalore Udipi road for communication to Audit. I am also to enclose (as above) copies of the sanctioned estimates for the Paranje and Mulki river bridges.

Y. F.

Encl: Estimates at (A) & (C) & copy of pp3-7 cf. as corrected in pencil

CENTRAL DESPATCH BRANCH
Despatched by Van. / Post. / Regd. Post. / Messenger.
Date 21/2 1955. Despatche's Initials.

pp33-35 cf/(K)

p33-7 cf

(A) & (C)

Dy 21/2

to the CE (H):

15/2/55
Kon
15.2.55

16.2.55
Asst. Secy (T.D.S.)

14

Note

Finance may see before issue

15/2/55

16.2.55 Fin

KMG 15.2.55

P.W.D. U. ono.

5733 A/55-2

16/2/53

13020

Fin Dept (B)

The draft letter marked may be issued

17.2.55

17/2/55 P.W.

ASST. SECRETARY TO GOVERNMENT
16 FEB 1955

Fin No. 12188-EB.

17.2.55

P.W.S.(A)

Issue

16.2.55

18/2/55

ASST. SECRETARY TO GOVERNMENT
18 FEB 1955
PUBLIC WORKS DEPARTMENT

HIGHWAYS DEPARTMENT

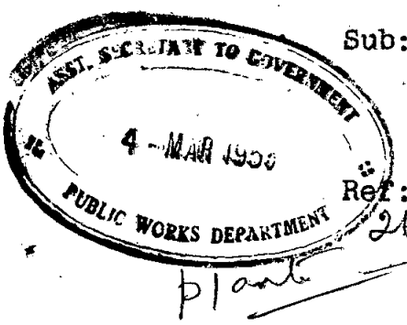
From
Sri K.K.Nambiar, B.E., M.I.E.(Ind),
F.Inst.H.E.(Eng) M.I.Mun.E.(Eng),
M.Am.Soc.C.E.,
Chief Engineer (Highways),
Chepauk, Madras.5

To
The Secretary to Govt.,
Public Works Department,
Fort St.George,
MADRAS-9.

17888

Letter No.6194 J1/55-2 dated 1-3-55.

Sir,



Sub: Surveying and preparing detailed estimate for construction of bridges at mile 13/2, 18/4 of Mangalore - Udipi road - Job No.E&I/MD/56, Job No.E&I/MD/57.

Ref: Govt. of India letter No.WIV 49(1)/54 dated 16 November 1954.
This office letter No. 44080-J1/54-HP dated 19-1-54.

****

1. In continuation of my letter second cited, I enclose herewith two revised estimates for surveying and preparing detailed estimate for construction of bridges at mile 13/2 and 18/4 of Mangalore Udipi road for Rs.2650, and Rs.2600 respectively for obtaining Government of India's technical approval and financial sanction.

2. The Government of India have approved the original estimates for the above works for Rs.1050 and 1640 and assigned Job No.E&I/MD/56 and E&I/MD/57 respectively in their letter cited above.

3. The provisions in the original estimates were found to be insufficient during the actual working and Calyx drill borings were also resorted to get the cores of granite rock. Comparative statements showing the excess and savings under each item are also enclosed.

4. I request that the revised estimate may be got sanctioned early.

Encl..2 estimates in duplicate.

for CHIEF ENGINEER (HIGHWAYS)

Copy to Consulting Engineer (Road Development) with a copy of the estimate for advance information.

41

I.A.(2)

Letter No.5733-A/55-6 Dated: 14-3-55

To

The Secretary to the Govt. of India
Ministry of Transport (Roads Wing)
Jamnagar House, Shahjahan Road,
New Delhi.

Sir,

Sub: Surveying and preparing detailed estimates for construction of bridges at mile 13/2 and 13/4 of Mangalore Udipi road - (Job Nos. EI/UD/56, EI/UD/57)

Ref: Sri Harbans Singh's letter No.WIV-49(1)/54 d/26-11-54.

....

In continuation of this Govt. letter No.5733-A/55-3 dated 18-2-55 I am directed to forward herewtth two revised estimates for surveying and preparing detailed estimates for construction of bridges at mile 13/2 and 13/4 of the Mangalore Udipi road for Rs 2,650 and Rs 2,650 respectively. In the letter cited the Govt. of India have approved the original estimates for these two works for Rs 1,050 and Rs 1,040 and assigned Job No.EI/UD/56 and EI/UD/57 respectively. The provisions in the original estimates were found to be insufficient during the actual working and Calyx drill borings were also resorted to get the cores of granite rock. Comparative statements showing the excess and savings under each item are also enclosed.

2. I am to request that the technical approval and financial sanction of the Govt of India to the revised estimates

may be obtained and communicated to this Govt. at an early date.

Y.I.

10/3/55

Kcw
10.3.55

Note: Finance may see the case before issue of the draft letter.

17/3/55

Kcw
10.3.55

Finance

P.W(A) u.o.no.
5733A/55-4
10-3-55

Fin (EB)

The draft letter above may be issued

12-3-55

17/3/55 P.W(A2)

Issue.

12/3/55

14.3.55

Kcw
12.3.55

Fin U.O 20257/EB-1
12/3/55.

20853.

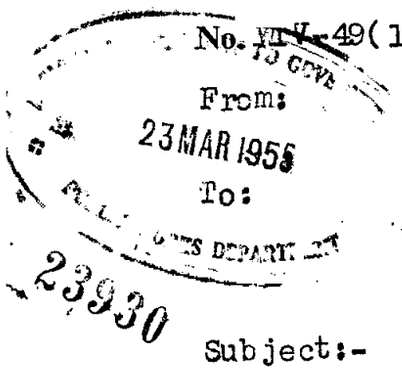
Telegrams :
"ROADIND."

GOVERNMENT OF INDIA.
MINISTRY OF TRANSPORT : ROADS WING.

JAMNAGAR HOUSE,
Shahjahan Road.

No. RW-49(1)54.

New Delhi-2, the 1 MAR 1955



Shri Harbans Singh,
Under Secretary to the Govt. of India.

The Secretary to the Govt. of Madras,
Public Works Department,
MADRAS.

Subject:- Surveying and preparing detailed estimates for the construction of bridges at miles 13/2, 18/4 and 33/5 of the Mangalore-Udipi road.
[Job.No. E&I/MD/56, E&I/MD/57 & E&I/MD/58]

Sir,

With reference to your letter No.5733-A/55-3, date the 18th February 1955, I am directed to say that the Audit are being informed that the expenditure against the estimate detailed in the attached statement, aggregating to Rs 5,190/- (Rupees five thousand, one hundred and ninety only), is debitable to the sub-head "A-4 Construction of State Roads of economic or inter-state importance" subordinate to the major head "81-Capital Account of Civil Works Outside the Revenue Account" for which the corresponding demand number for the current financial year is "136-Capital Outlay on Roads".

Yours faithfully,

Harbans Singh

Under Secretary to the Govt. of India

Encl: One Statement.

"B. DASS"
20/3

STATEMENT ACCOMPANYING LETTER NO. WII-49(1)54, DATED THE 21 MAR 1955 FROM THE GOVERNMENT OF INDIA, MINISTRY OF TRANSPORT (ROADS WING).

21

Name of work.	Jon No.	No. and date of Estimate.	Classification of estimate.	Amount of sanctioned estimate. Rs.	Designation of sanctioning authority.	No.& date of sanction.	Remarks.
Surveing and preparing detailed estimate for the construction of a bridge at mile 13/2 over Pavanji river.	R&I/MD/56.		"A-4. Construction of State Roads of economic or inter-state importance" subordinate to the major head "81-Capital Account of Civil Works Outside the Revenue Account".	1,050/-	Chief Engineer (Highways), Madras.	D.R.No.1/54-55.	
Surveying and preparing detailed estimate for the construction of a bridge at mile 18/4 over Mulki river.	R&I/MD/57.			1,640/-	-do-	D.R.No.2/54-55.	
Surveying and preparing detailed estimate for the construction of a bridge at mile 33/5 over Udayavar river.	R&I/MD/58.			2,500/-	-do-	D.R.No.3/54-55.	
				5,190/-			

E.B

Memo No. 5733A/55-7 Dated 26.

Sub:- Comns — Roads of inter-St
or economic importance — South
Kanara District — Surveying
and preparing detailed estimates
for construction of bridges at
miles 13/2, 18/4 and 33/5 of
Mangalore Udipi road

Ref:- From the Govt of India,
Letter No. WT-49(1)54
dated 21-3-54

A copy of the letter
cited in communicated to the
CE(H) for information. He
is informed that the reply
of the Govt of India to this
Govt. letter No. 5733-A/55-5
dated 14-3-55 is awaited.

To

The CE(H) with copy of pp19-21 cf.

Note Finance may see before
issue.

Fin (EB)

The draft above may be issued

P. W.

5733 A/55-6

24-3-55

Fin. CO

24682/E.B/55-1

24-3-55

7.4

P.W (A2)

The draft memo overleaf may issue.

28.3.55

25/8/55

26-3-55

P.W(A2)

Letter No. 5733 A/55-8 Dated 25/4/55

To

The Secy to the Govt of India,
Ministry of Transport (Roads Wing),
Jamnagar House, Shahjahan Road,
New Delhi.

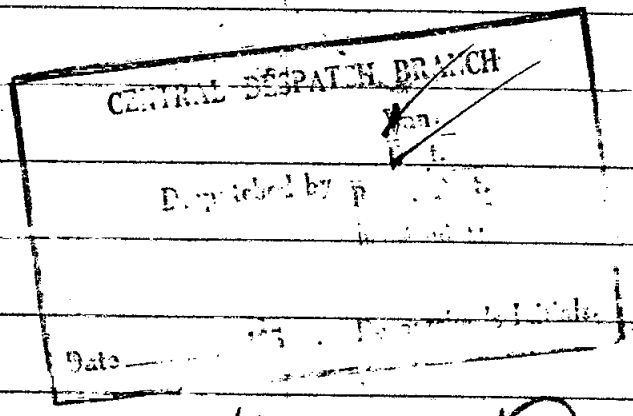
Sir,

Subt:- (as on p17 cf).

Ref:- Sai Hardans Singh's
Letter No. WTV-49(1)/54 dt 26-11-54

I am directed to invite
reference to this Govt. letter No.
5733A/55-5 dated 14-3-55 and

P.T.O



pp 33-35 cf (K)

pp 17-18 cf

2 of

Cuttack

to enquire [a reply thereto may be expected.

B
23/4/55

Y.F.

M
25.4.55

Im
25/4/55

Copy to Ho CE (H)
N R 2nd/5

21 P.W(A2)

Letter No. 5733 A/55-9 Dated 23/5/55

To

The Secy. to the Govt of India,
Ministry of Transport (Roads Wing), Jamnagar House,
Shahjahan Road, New Delhi

Sir,

Sub. — Surveying and preparing detailed estimate for construction of bridges at miles 18/2 and 187/4 of Mangalore Bairdur Coast road [Job Nos. E&I/MJ/56, and E&I/MJ/57]

CENTRAL DESPATCH BRANCH
Van. / Post.
Despatched by Regd. Post. / Messenger.
Date 24/5/55 Initials.

28

Ref. Sri Harbans Singh's letter
No. WTV-49(1)/54 dt 26-11-54 fr. 33-35 of 1/C

I am directed to
invite reference to this
Govt letter No. 5733 A/55-5
dated 14-3-55 and to
enquire when a reply
may be expected. 1..17-18 C

Y.F.
23.5.55

23/5/55

Copy to Three (H)
R 720/6

Reminder
23.5.55

Telegrams :
"ROADIND."

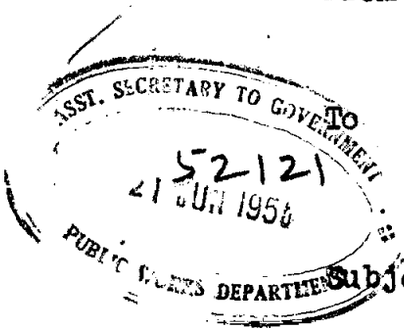
GOVERNMENT OF INDIA.
MINISTRY OF TRANSPORT : ROADS WING.

JAMNAGAR HOUSE,
Shahjahan Road.

No. WIV-49(1)54. *New Delhi-2, the* 16 JUN 1955

From

Shri Harbans Singh,
Under Secretary to the Govt. of India.



To

The Secretary to the Govt. of Madras,
Public Works Department,
Madras.

Subject:- Surveying and preparing detailed plans and estimates for the construction of bridges at mile 13/2, 18/4 and 33/5 of the Mangalore-Udipi Road.
(Job No. E&I/MD/56, E&I/MD/57 & E&I/MD/58).

Sir,

With reference to your letter No. 5733-A/55-5, dated the 14th March 1955, I am directed to say that the revised estimates for Job No. E&I/MD/56 and E&I/MD/57 have been examined by the Consulting Engineer (Road Development) who is of the view that the provision of petty supervision charges is high. After allowing these charges at the rate of 2% the estimates have been modified to Rs 2,142/- and 2,168/- respectively, as shown in the copies returned herewith.

2. In partial modification of the orders containe in this Ministry's letter No. WIV-49(1)54, dated the 26th November 1954, I am to convey the technical approval and financial sanction of the President to the three estimates aggregating to Rs 6,810/- (Rupees six thousand ~~and~~ eight hundred and ten) only detailed in the statement attached. No agency charges are payable in respect of these works. Any excess over the sanctioned amount should be met from State funds.

3. The expenditure on the works to the extent of Rs 6,810/- is debitable to the sub-head "A-4 Construction of State Roads of economic or inter state importance" subordinate to the major head "81-Capital Account of Civil Works Outside the Revenue Account" for which the Demand number for the current financial year is "134-Capital Outlay on Roads". Audit are being informed accordingly. I am to request that the funds required for expenditu on the works during the current financial year may be intimated to this Ministry at an early date.

Yours faithfully,

Harbans Singh

(Harbans Singh)
Under Secretary to the Govt. of India.

Enc:- 1. Two estimates.
2. State-ment.

Copy (with two spare copies) with copies of statements referred to, forwarded to the Accountant General, Madras in supersession of the orders contained in this Ministry's endorsement No. WIV-49(1)54, dated the 21st March 1955.

By order etc.,

sd/-
(Harbans Singh)
Under Secretary to the Govt. of India.

Enc:- 2 spare copies
with enclosure.

Copy forwarded for information to the Chief Engineer (Highways), Madras.

sd/-
(S.K. Rajagopalan)
Divisional Engineer Consultant
for Consulting Engineer(Road Development)

Enc:- NIL.

"JAGAT"

Statement accompanying the Ministry of Transport (Roads Wing) letter 15 JUN 1955
No. WIV-49(1)54, dated the _____

S.No.	Name of work.	Amount of estimate. Rs	Job No.
1.	Surveying and preparing detailed estimate for the construction of a bridge at mile 13/2 over Pavanji River.	2,142/-	B&I/MD/56.
2.	Surveying and preparing detailed estimate for the construction of a bridge at mile 18/4 over Mulki river.	2,168/-	B&I/MD/57.
3.	Surveying and preparing detailed estimate for the construction of a bridge at mile 33/5 over Udyavar river.	2,500/-	B&I/MD/58.
		6,810/-.	

"JAGAT"

Memo No. 5733 A/53-11 Dated 30/6/55

Sub:- Com No 11 - Roads of inter-state or economic importance - South Kanara district - Surveying and preparing detailed estimates for construction of bridges at miles 13/2, 18/4 and 33/5 of Mangalore Udipi road.

p 29 cf

Ref:- From the Govt of India, letter No. WIV-49(1) 54 d/15-6-55

After allowing petty supervision charges at the rate of 2 per cent, the Govt of India have reduced the estimates in respect of the Bridges at mile 13/2 and 18/4 of the Mangalore Udipi Road from Rs 2,650/- and Rs 2,600/- to Rs 2,142/- and Rs 2,168/- respectively. They have

para 1 p 29 cf

accorded revised technical approval and financial sanction to the three estimates

para 2 p 29 cf

aggregating to Rs 6,810/- (Rupees six thousand eight hundred and ten only) as detailed in the statement appended to this order.

50

2. The expenditure on the works should be restricted to the amount sanctioned by Govt of India for the purpose. The two estimates returned by the Govt of India are forwarded to the CE(H) for necessary action. Av 1.b

(Y) Sent to CE(H)

3. The CE is requested to report immediately the funds required for expenditure on the works during the current year.

Y 28.6.55

28/6/55

b 28.6.55

KNN 28/6/55

Visata B on p 29 cf

CENTRAL DESPATCH BRANCH
Van. / Post.
Despatched by
Date 28.6.55 Despatcher's Initials

To CE(H) with estimates at (Y)

The A.G. thro' Finance
Duplicate copy to Sri A.K. Rama.
A.G. Madras

APPENDIX

(H.E statement on p 33 of as adopted)

28/6/55 KNN 28.6.55

Note Finance may see before issue.

28/6/55 Y 28.6.55 Fin

P.W.D. Works. 5733 A/53-10 28-6-55

55058

KNN 28/6/55

Fin (Exp B)

(Fin. last saw on p 23 cf)

The draft memo at 1/1-2 above may be perused and the file returned to Desk

28.6.55

DSK 29/6/55 PM

ASST. SECRETARY TO GOVERNMENT 29 JUN 1955

G.O.D. 51870/EB 55-1/24/6/55

SPECIAL DEPUTY SECRETARY TO GOVT 51870 28 JUN 1955 E&T

-3-

37

Finance have seen PW (Az)
the draft memo on pp 1-2 ante. No
any issue.

30.6.55

2 29.6.55

Kaw
29.6.55

pp 35-36 ante (Issued as Memo No. 5733 A/55-11 dated 30/6/55)

77/25/7

T.M. Issued

7/25/7.

39 P.W/A2

T.M. No. 5733A/55-12 Dated 22/7/55

From A.S., P.W.D.

To the CE(H)

Sub:- Com NS 11 - Roads of inter-State or economic importance - South Kanara district - Surveying and preparing detailed estimates for construction of bridges at miles 13/2, 18/4 and 33/5 of Mangalore Udipi Road

Ref:- Memo No. 5733A/55-11, P.W., dated 30-6-55

Please report immediately the funds required for expenditure on

35-36 CF

4-D

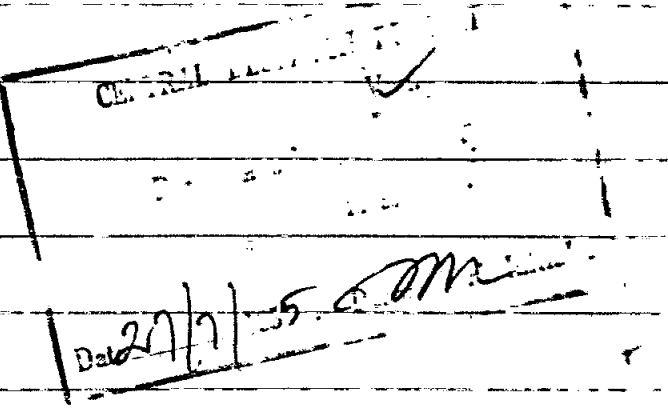
the works during the current year.

22.7.55

P.C. to go

22/7/55

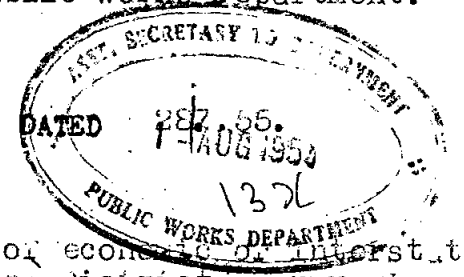
KOW
22.7.55



5733/55 HIGHWAYS DEPARTMENT. 41

From
Sri K.K.Nambiar, B.E.M.I.E.(Ind)., F.Inst.H.E.(Eng)M.I.Mun.E.(Eng)., M.Am.Soc., C.E.,
Chief Engineer (Highways),
Chepauk, Madras.5.

To
The Secretary to Government
Public Works Department.



LETTER NO. 6194.J1/55-6 DATED 28.7.55.

Sir,

SUB: Communications - Roads of economic or interstate importance - South Kanara District - Surveying and proposing detailed estimates for constructing of bridges at ..13/2, 18/4 and 33/5 of Mangalore -Udipi Road.

Ref: Government P..D. T...No.5733. A/55.1 dated 25.7.55.

--:o0o:--

The matter is under consideration and a report will be sent shortly.

for CHIEF ENGINEER (HIGHWAYS)

Dt. 28.7.55.

AR.till 20/8/55 PW(A2)

28/7

8/8/55 Kvm 2-8-55 2.8.55

VERY URGENT

P.W.(A2)

T.M. No. 5733A/55-13 Dated 22-8-55

Issued
(PW)
23.8.55

From As. P.W.
To HRE (HI)
Subs: (as on p4/ante)
Ref:- Your letter No. 6194-J1/55-6 dated 28-7-55

Please expedite your final reply.

22/8/55

P.C. to go

'HIGHWAYS DEPARTMENT'

H2

From
S ri K.K.Nambiar, B.E., M.I.E.(Ind),
F.Inst.H.E.(Eng) M.I.Mun.E.(Eng),
M.Am.Soc.C.E.,
Chief Engineer (Highways),
Chepauk, Madras.5

To
The Secretary to Government,
Public Works Department,
Fort St.George,
Madras.9.

8348

Letter No.6194-J1/55-7 dated 27.8.55.

Sir,

Sub: COMMUNICATIONS - Roads of Economic or interstate importance - Investigation for the construction of bridges across Pavanji, Mulki and Udayavar rivers at M 13/2, 18/4 and 33/5 of Mangalore Baindur Coast Road.

Ref: Govt. (P.W.D.) T.M. dated 23.8.55.

The funds required for the expenditure on the investigation of the above 3 bridge works during the current financial year have been included in the allotment statements sent to the Government under cover to my letter No.27080-J1/55-10 dated 11.8.55.

The information is again furnished below for ready reference.

1)Pavanjee bridge (Job No.E&I/MD/56)	Rs.1,000
2)Mulki Bridge (Job No.E&I/MD/57)	Rs. 600
3)Udayavar bridge (Job No.E&I/MD/58)	Rs.1,000

T.P. Narayanan. 30.8.55
for Chief Engineer (Highways)

45 P.W(A)2

Letter No. 5733A/55-14 Dated 12/9/55

To

The Secy. to the Govt of India,
Ministry of Transport (Roads Wing),
Jamnagar House, Shahjahan Road,
New Delhi-2

Sir,

Sub:— Surveying and preparing detailed plans and estimates for construction of bridges at mile 13/2, 18/4 and 33/5 of Mangalore Bairdur Coast Road (Job No. EhI/MD/56, 57 and 58).

Ref:— Ministry of Transport's letter No. WIV-49(1)54 dt/16-6-55

I am directed to state that the funds required for expenditure on the above-mentioned works during the current financial year are indicated below:—

(1) Job No. EhI/MD/56 — Rs 1,100
(2) Job No. EhI/MD/57 — Rs 600
(3) Job No. EhI/MD/58 — Rs 1,000.

I am to state that these amounts have also been mentioned in the statements forwarded to the Govt of India with

CENTRAL DESPATCH Limited
Date ... Despatcher's Initials.

p 29 cf

Vide A on p 43 cf

, 15+16 on p 17 cf/LF

140

this Govt. letter No. 50197 A/55-6 dated 27-8-55.

hlp 21-22 CF/LF

AB 10/9/55

Y.F. 12.9.55

Kum 10.9.55

Copy to Kerala (H)

HIGHWAYS DEPARTMENT

From
Sri K.K.Nambiar,B.E.,M.I.E.,(Ind),
F.Inst.H.E.,(Eng)M.I.Mun.E.,(Eng),
M. Am. S o c. C. E.,
Chief Engineer (Highways),
Chepauk, Madras-5.

To
The Secretary to Government,
Public Works Department,
Fort St. George,
Madras-9.

ABST. 1497 26 SEP 1955 PUBLIC WORKS DEPARTMENT

Letter No.6194 J1/55-8 Dated 23 September, 1955.

***

Sir,

Sub: Surveying and Preparing - Detailed Estimate - for construction of bridges at Mile 13/2, 18/4 of Mangalore Udipi Road - Job No. E&I/MD/56 and E&I/MD/57.

Ref: 1. Government of India's letter No.WIV-49(1)/54 dated 15-6-55.
2. This office letter No.6194 J1/55-7 dated 27-8-55.

--:o:--

1. In continuation of this office letter second cited, I enclose herewith two revised estimates for surveying and preparing detailed estimate for the construction of bridges at Miles 13/2 and 18/4 of Mangalore Udipi Road for Rs.3000/- and 3700/- respectively, for obtaining the Government of India's revised technical approval and financial sanction.

2. Government of India have approved the first revised estimates for the above works for Rs.2142/- and Rs.2168/- and assigned job Nos. E&I MD/56 and E&I MD/57 respectively in their letter cited above.

3. The provisions in the first revised estimates were found to be insufficient as additional mechanic and men mazdoors had to be employed for calyx drill boring due to the difficult nature of the work. All the items in the Second revised estimate are as per actuals incurred by the investigation staff for the complete investigation of the above bridges.

4. I request that the second revised estimates may be got sanctioned early.

for Chief Engineer (Highways)

Encl: Estimates in duplicate.

Copy to the Consulting Engineer (Roads Development) with the copy of the Estimate for advance information.

49

P.W.D.(A-2).

Lr.No.5733 A/55- 16 Dated 21.6.55

To

The Secy. to the Govt. of India,
Ministry of Transport (Roads Wing),
Jamnagar House,
Shahjehan Road,
NEW DELHI-2.

Sir,

Sub: Surveying and preparing detailed plans and estimates for construction of bridges at mile 13/2, 18/4 and 33/5 of Mangalore Bantwal Baindur Coast Road (Job E&I/MD/56, 57 and 58).

Ref: Ministry of Transport's Letter No.WIV-49(1)54, dated 15-6-1955.

In continuation of this Govt. letter No.5733 A/55-14, dated 12-9-55 I am directed to forward herewith two revised estimates for surveying and preparing detailed estimates for construction of bridges at mile 13/2 and 18/4 of the Mangalore Baindur Coast road for Rs.3,000/- and Rs.3,700/- respectively. In the letter cited the Govt. of India have approved the first revised estimates for these two works (Job No.E&I/MD/56 and E&I/MD/57 for Rs.2,142/- and Rs.2,168/- respectively. The provisions in the first revised estimates were found to be insufficient as additional mechanic and men mazdoors

Encl: Estimates (2) (P) 4(Y)

CENTRAL DESPATCH (CP)

Date 1955 Dy. Initials.

p29cf

pp45-46cf

(P) 4(Y)

pwa 1p294

Item 1 p33cf
Item 2 p33cf

Wadia Item 3 p94

P 5/

had to be employed for calyx drill boring due to the difficult nature of the work. All the items in the ~~second~~ revised estimates now sent are based on the actual expenditure incurred by the investigation staff for the complete investigation of the two bridges. The investigation work of the two bridges has since been completed.

Vide 'A' on p1 of P) & 'B' on p2 of P)

2. I am to request that the technical approval and financial sanction of the Govt. of India to the second revised estimates for the works may be obtained and communicated to this Govt. at an early date.

P/ 6.10.55
Kuw 6.10.55

Yours faithfully,

6.10.55

Copy to the C.E.(H).

DEPUTY SECRETARY TO GOVERNMENT 79031 7-OCT 1955 FINANCE DEPARTMENT

Note

Finance may see before issue.

P/ 6.10.55
Kuw 6.10.55

6.10.55

P.W.D. U.O. No. 5733 A/55-15

Finance (EB)

The draft letter on p1-2. above may be perused.

BX 53 2 16.10.55

17/10/55 P.W.

ASST. SECRETARY TO GOVT. 2196 18 OCT 1955 PUBLIC WORKS DEPARTMENT

18.X.55

~~2~~ 51 PWD(A2)

Please see the notes on p. 2 ante.
The draft letter on pp 1-2 ante may now issue.

20.10.55 ~~D.S.~~

Dl 19/10/55

Ur 20.10.55

Kmw 19.10.55

M

10½ & 9-50 cf (Issued as Letter No. 5733 A/55-16 dt 21-10-55)

53

GOVERNMENT OF INDIA
MINISTRY OF TRANSPORT: ROADS WING

TELEGRAMS:
"ROADIND".

JAMNAGAR HOUSE:
SHAHJEHAN ROAD.

No. WIV-49(1)54.

New Delhi-2, the 2 DEC 1955

From

Shri Brij Ratan Lal,
Under Secretary to the Government of India.

ASST. SECRETARY TO GOVERNMENT
6 - DEC 1955
3383X
PUBLIC WORKS DEPARTMENT

To

The Secretary to the Government of Madras,
Public Works Department, MADRAS.

Subject:- Surveying and preparing detailed plans and estimates for the construction of bridges at miles 13/2, 18/4 and 33/5 of Mangalore-Baindur Coast Road.
(Job Nos. E&I/MD/56, 57 and 58)

.....

Sir,

With reference to your letter No. 5733-A/55-16, dated the 21st October 1955, and in modification of the orders contained in this Ministry's letter No. WIV-49(1)54 dated the 15th June 1955, I am directed to convey the technical approval and financial sanction of the President to the three estimates aggregating Rs 9,200/- (Rupees nine thousand and two hundred) only detailed in the statement attached. No agency charges are payable in respect of these works. Any excess over the sanctioned amount should be met from the State funds.

2. The expenditure on the works to the extent of Rs 9,200/- is debitable to the sub-head "A.4.-Construction of State Roads of economic or inter-State importance" subordinate to the major head "81-Capital Account of Civil Works Outside the Revenue Account" for which the corresponding Demand number for the current financial year is "134-Capital Outlay on Roads". Audit are being informed accordingly. I am to request that the funds required for expenditure on the works during the current financial year may be intimated to this Ministry at an early date.

3. The estimates received with your letter under reply are returned herewith.

Yours faithfully,

Brij Ratan Lal 1/12/55

(BRIJ RATAN LAL)
Under Secretary to the Government of India.

Encl: 1. Estimates.
2. Statement.

A.K.S.
1.12.55.

55

Statement accompanying the Ministry of Transport (Roads Wing) letter No. WIV-49(1)54, dated .....

---

2 DEC 1955

S.No.	Name of work	Amount of estimates Rs	Job No.
1.	Surveying and preparing detailed estimate for the construction of a bridge at mile 13/2 over Pavanji river.	3,000/-	E&I/MD/56.
2.	Surveying and preparing detailed estimate for the construction of a bridge at mile 18/4 over Mulki river.	3,700/-	E&I/MD/57
3.	Surveying and preparing detailed estimate for the construction of a bridge at mile 33/5 over Udayavar river.	2,500/-	E&I/MD/58.
		9,200/-	

Vide (B)

Same as item 3. on p 33 ante

A.K.S.
1.12.55.

5733/55

33/2312

57

P.W.D.(A2

COMMUNICATIONS - Roads of economic or inter-State importance - South Kanara District - Investigation for construction of bridges across Pavanje, Mulki and Udayavar rivers at miles 13/4, 18/4 and 33/5 of Mangalore Baindur Coast Road - Revised estimates for Rs.9,200/- - Approval of Govt. of India - Communicated.

pp39-40cf (K)
p53cf

Read: G.O.Ms.No.4233 P.W.D., dated 1-12-54.
From the Govt. of India, Lr. No.WIV 49(1)54, dated 2-12-55

G.O.Ms.No. 4780 Dated 22/12/55

para 1 p53cf

The Govt. of India have accorded technical approval and financial sanction to the three ~~revised~~ estimates aggregating Rs.9,200/- (Rupees Nine thousand and two hundred only) for the three works specified in the annexure.

p55cf

(B)

Despatched by [illegible] 30.12.55

Initials.

Date [illegible]

m p53cf

2. The estimates received with letter cited are forwarded to the C.E.(H) for necessary action.

3. The C.E.(H) is requested to report immediately the funds required for expenditure on the works during the current financial year.

8.12.55

The C.E.(H) with estimates.
The A.G., thro. Finance.
Duplicate copy to A.G. (By name).
1 s/c.

ANNEXURE.

(Here Enter statement at page 55 c.f.)

P.T.O.

X F [illegible]

NOTE.

Finance may see before issue.

7.12.55 Sr. AL

8.12.55 Fin

P. WD U.O. No. 5733 A/55-17 8-12-55

. . . . . Finance (EB)

(Previous Finance Note on p. 50 C/f)

The draft-order counterfoil may be accepted.

16-12-55

19.12.55

20/12/55 P. W. (Accts)

Issue.

21.12.55

Kjm 21-12-55

22.12.55

22.12.55

GOVERNMENT 9 - DEC 1955 107609 DEPARTMENT

Fin No: 107609. EB1 21.12.55

ASST. SECRETARY TO GOVERNMENT 21 DEC 1955 PUBLIC WORKS DEPARTMENT 3778

HIGHWAYS DEPARTMENT

ASSISTANT TO GOVERNMENT
19 JAN 1956
PUBLIC WORKS DEPARTMENT

From
Sri K.K.Nambiar, B.E.,
M.I.E.(Ind), F.Inst.H.E.(Eng),
M.I.Mun.E.(Eng), M.Am.Soc.C.E.
Chief Engineer (Highways),
Chepauk, Madras-5.

To
The Secretary to Government,
Public Works Department,
Madras-9.

Letter No. 6194 J1/55-10 dated 11th January 1956

Sir,

Sub: Communications - Roads of economic or inter-State importance - investigation estimates for the construction of bridges across Pavanje - Mulki and Udayavar rivers at Miles 13/4, 18/4 and 33/5 of Mangalore Baindur Coast road - revised estimates for Rs.9,200/- Funds requirements for 1955-56 - intimated.

Ref: G.O.Ms.No.4780 P.W. dt. 22.12.1955.

With reference to para 3 of the G.O. cited above, I have to state that the funds required for expenditure on the above works during the current financial year are given below:

Name of work	Requirements for 55-56 from Union Funds. Amount Rs.
1. Investigation for the construction of a bridge across Pavanje river at M.13/2 of Mangalore Baindur coast road (Job No. E&I/MD/56)	Rs.1,850
2. -do- -do- across Mulki river at M.18/4 of Mangalore Baindur coast road (Job No. E&I/MD/57)	1,904
3. -do- -do- across Udayavar river at M.33/5 of Mangalore Baindur coast road. (Job No. E&I/MD/58)	1,026
Total	Rs.4,780

16.1.56

for Chief Engineer (Highways).

Nsk/110156.

61 P.W(A2)

Letter No. 5733 A/55—19 Dated 28/1/56

To

The Secy to the Govt of India,
Ministry of Transport (Roads Wing),
Jamnagar House, Shahjehan Road,
New Delhi-2

Sir,

Sub:- Surveying and preparing detailed plans and estimates for construction of bridges at miles 13/2, 18/4 and 33/5 of Mangalore Bantwal coast Road (Job. Nos. EQI/MD/56, 57 and 5

p53cf Ref:- Ministry's letter No. WIV-49(1)54 dated 2-12-55

—:—

I am directed to state that a sum of Rs 4,780 (Rupees four thousand, seven hundred and eighty only) is required for expenditure on the works during the current financial year as indicated below:—

[H.E 'A' on p59 cf. as corrected]

M 20.1.56 Y.F.

B 19.1.56 Kow 19.1.56

Note Finance may see before issue.

M 20.1.56 Fin

Deputed by ... L. ... 28.1.56

Date ... 195 ...

20 JAN 1956 60668EB

~~Put to Kow (H)~~

P.W.D. U.O.No. 5733 A/55-18 20-1-56

B 19.1.56 Kow 19.1.56

62

Finance (GB)

(Previously seen in finance on p. 58 cf)
The draft letter overleaf may be banned.

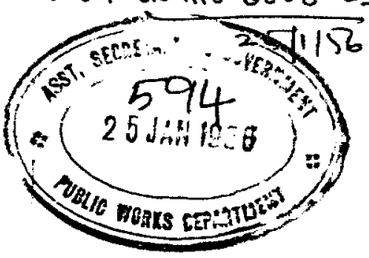
KT
24-1-56

A
25/1/56

P.W.

Fwi WO into 6068 GB/56

25/1/56.



P.W(#2)

Many issues.

B
27/1/56

M
28.1.56

KMW
27-1-56

REVISED ESTIMATE FOR
SURVEYING AND PREPARING DETAILED ESTIMATE
FOR CONSTRUCTING A BRIDGE OVER PAVANJI RIVER
AT M.13/2 OF MANGALORE-BAINDUR COAST ROAD

REVISED ESTIMATE FOR RS. ~~2,650/-~~ 2142

Report to accompany the revised estimate for surveying and preparing detailed estimate for constructing a bridge across Pavanje River at mile 13/2 of Mangalore Baindur Coast road (Mangalore Udipi Road)

Original Estimate Rs.1050/-

Revised Estimate Rs. 2650/-

An estimate amounting to Rs.1050/- was technically approved and financially sanctioned by the Government of India in their letter No.WIV 49 (1) 54 dated 26.11.'54 for investigation for constructing a bridge across Pavanje river at mile 13/2 of Mangalore Baindur coast road. Though the borings were taken at about 100 feet intervals, the provision in the estimate had to be exceeded due to reasons given below and hence this revised estimate.

Calyx drill borings were instructed to be taken to get at the cores of granite rock. For this the Calyx drill had to be conveyed to site and there extra borings had to be taken. The labour for taking the boring and surveying operations originally provided were also found insufficient. The provision made for purchase of material was also found to be inadequate especially as a new manilla rope had to be purchased. The boring mechanic had to be employed for a longer time and also a Calyx drill operator had to be employed. These increased the petty supervision charges. Besides these consumables for running the Calyx drill had to be purchased. Due provision for all these are now made in the revised estimate.

The investigation work is almost completed except for one Calyx drill boring.

K.K.Nambiar,
Chief Engineer (Highways)

/True copy/

T.P. Narayanan 1.3.55
Technical Assistant to the
Chief Engineer (Highways)

CK
1-3-55

ABSTRACT OF ESTIMATE.

Name of Work: Revised estimate for surveying and preparing detailed estimate for constructing a bridge across Pavanje river at mile 13/2 of Mangalore Baindur coast road (Mangalore Udipi Road).

Quantity	Description of Work	Rate	Per	Amount
L.S.	1. Transport of Boring tools including Calyx drill and parts.			200-0-0
50 Nos	2. Men mazdoors for surveying and levelling operations.	1-8-0	Each	75-0-0
800 "	3. Men mazdoors for boring operations	1-8-0	"	1200-0-0
L.S.	4. Purchase of derrick posts platform materials, rope, etc.			250-0-0
L.S.	5. Hire for boat for surveying and boring operations.			50-0-0
~~L.S.~~	~~6. Petty Supervisions charges~~			~~550-0-0~~
L.S.	6 7. Contingencies including petty repairs to Tools and Plants and purchase of consumables etc. for Calyx drill.			325-0-0
	(7) Add 2% Petty Supervision Charges	210-0-0		
		Total:-		~~2650-0-0~~
		42-0-0		
		2142-0-0		

Modified by Govt of India

~~Rupees two thousand, six hundred and fifty only.~~

Rupees Two Thousand and one Hundred and forty two only

K.K. Nambiar,
Chief Engineer (Highways)

/True copy/

P.P. Nanaiah 1.3.55

Technical Assistant to the
Chief Engineer (Highways)

CK
1-3-55

DETAILED MEASUREMENT SHEET.

Name of Work: Revised estimate for surveying and preparing detailed estimate for constructing a bridge across Pavanje river at mile 13/2 of Mangalore Baindur coast road (Mangalore Udipi road).

Details of Work	No.	Length.	Breadth.	Depth.	Area.	Total
1. Transport of Boring Tools including Calyx Drill and parts.						L.S.
2. Men mazdoors for surveying and levelling operations.						50 Nos
3. Men mazdoors for boring operations. 6 bore holes at about 100 ft intervals with hand borings and 3 bore holes with Calyx drill.						800 Nos
4. Purchase of brick posts, platform materials, rope etc						L.S.
5. Hire for boats for surveying and boring operations.						L.S.
6. Petty supervision charges one ordinary boring mechanic for four months and one Calyx drill mechanic for one month.						L.S.
7. Contingencies including petty repairs to Tools and Plants and purchase of consumables etc. for Calyx drill						L.S.

ESTIMATE FORM - COMPARATIVE STATEMENT OF DIFFERENCES.

Revised estimate for surveying and preparing detailed estimate for constructing a bridge across Pavanje river at mile 13/2 of Mangalore Baindur Coast Road.

Description of work.	Item No.	Original Estimate Quantity	Rate	Amount.	Revised Estimate. Quantity	Rate	Amount	More.	Less.	Explanation of difference.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Transport of boring tools including calyx drill and parts	(1)	90 miles	1-0-0	90	L.S.		200	110	-	Calyx drill had to be conveyed for taking calyx drill borings.
Men Mazdoors for surveying and levelling operations	(2)	25 Nos.	1-8-0	38	50 Nos	1-8-0	75	37	-	As per actual necessity.
Men Mazdoors for boring operations	(3)	300 Nos.	1-8-0	450	800 Nos	1-8-0	1200	750	-	Three borings with Calyx drill were ordered to be taken and labour as per actual.
Purchase of derrick posts, plat-form, materials rope etc.	(4)	L.S.		80	L.S.		250	170	-	Purchase of manilla rope was found necessary.
Hire for boat for surveying and boring operations	(5)	L.S.		100			50	-	50	Restricted to actuals.
Petty supervision charges.	(6)	L.S.		220			550	330	-	Additional 3 borings with calyx drill had to be taken and as per actual.
Contingencies including petty repairs to T & P and purchase of consumable etc. for calyx drill	(7)			72			325	253	-	Also purchase of consumables for nearing calyx drill is provided f
		Total.		1050			2650	1650	50	

****

REVISED ESTIMATE FOR
SURVEYING AND PREPARING DETAILED ESTIMATE
FOR CONSTRUCTING A BRIDGE OVER MULKI RIVER
AT M.18/4 OF MANGALORE-BAINDUR COAST ROAD.

2168

REVISED ESTIMATE FOR RS:2,600/--

****

REPORT TO ACCOMPANY THE REVISED ESTIMATE FOR SURVEYING AND PREPARING DETAILED ESTIMATE FOR CONSTRUCTING A BRIDGE OVER MULKY RIVER AT MILE 18/4 OF MANGALORE BAINDUR COAST ROAD.

Original Estimate Rs.1,640/-
Revised Estimate Rs.2,600/-

An estimate amounting to Rs.1640/- was technically approved and financially sanctioned by the Government of India in their letter No.WIV 49(1)54 dated 26.11.54 for surveying and preparing a detailed estimate for constructing a bridge over Mulky River at mile 18/4 of Mangaloro Baindur Coast road. Though the borings were taken at about 100 feet intervals, the provisions in the estimate had to be exceeded due to reasons given below and hence this revised estimate.

Calyx drill borings were instructed to be taken to get at the cores of granite rock. For this the calyx drill is to be conveyed to site and three extra borings are to be taken. Consumables for running the calyx drill have also to be purchased. The provisions made for labour for the surveying and boring operations and for the purchase of materials for the derrick ~~and in~~ ~~in~~ arrangement were found to be inadequate. The boring mechanic had to be employed for a longer time and the employment of a calyx drill operator had also been necessitated. The petty supervision charges are hence enhanced. Due provisions for all these items have now been made in the revised estimate. The investigation work is almost completed, except for the three calyx drill borings.

K. K. Nambiar,
Chief Engineer (Highways)

(True copy)

S.P. Ramadas 1.3.55
Technical Assistant to the
Chief Engineer (Highways)

CK 1-3-55

ESTIMATE FORM - ABSTRACT.

Name of work: Surveying and preparing detailed estimate for constructing a bridge over mulky river at mile 18/4 of Mangalore Baindur Coast Road.

Item No. 1	Quantity. 2	Description of work. 3	Rate 4	Per 5	Amount. 6
1	50 Nos.	Man Mazdoors for surveying and levelling operations.	1-8-0	each	75/-
2	800 Nos.	Man Mazdoors for boring operations	1-8-0	each	1200/-
3	L.S.	Purchase of posts, bamboos, ropes etc. for the derrick arrangement (on actuals)			140/-
4	L.S.	Hire charges for boat for surveying and boring operations.			40/-
5	L.S.	Repairs to Boring set			40/-
6		Purchase of materials necessary for the boring set.			
a)	60 Rft	3" dia. G.I. Pipes.	3-12-0	per Rft	225/-
b)	2 Nos.	Chain pipe wrenches 4".	40- 0-0	each	80/-
c)	100 Rft or 56 lbs	Manila Rope	1-12-0	lb.	99/-
d)	6 Nos.	G.I. Sockets.	2- 8-0	each	15/-
	L.S.	Extra for sales Tax, threading charges etc.	ON ACTUALS		35/-
~~7.~~	~~L.S.~~	~~Petty supervision charges (On actuals)~~			~~475/-~~
~~8.~~	L.S.	Contingencies including petty repairs to T & P and purchase of consumables etc. for Calyx drill.			177/-
					2125-00
					43-00
					2168-00

Modified & Add 2% Petty Supervision charges

~~Rupees two thousand and six hundred only.~~

Rupees two Kowsand and one hundred and sixty eight only

K. K. Nambiar,
Chief Engineer (Highways)

1.3.55

Technical Assistant to the Chief Engineer (Highways)

1-3-55

ESTIMATE - DETAILED MEASUREMENT SHEET.

Name of work: Surveying and preparing detailed estimate for constructing a bridge over Mulky river at mile 18/4 of Mangalore Baindur Coast Road.

Details of work	Number	MEASUREMENT IN FEET. L.	B.	D.	Area or its contents
1. Men Mazdoors for surveying and levelling operations.	50 Nos				50 Nos.
2. Men Mazdoors for boring operations for seven hand bore holes and three calyx drill borings	800 Nos.				800 Nos.
3. Purchase of posts, bamboos ropes etc. for the derrick arrangement					L.S.
4. Hire charges for boats for surveying and boring operations.					L.S.
5. Repairs to boring set					L.S.
6. Purchase of materials necessary for the boring set.					
(a) 3" dia. G.I. Pipes					60 Rft.
(b) Chain Pipe wrenches 4"	2 Nos.				2 Nos.
(c) Manila Rope					100 Rft or 56 lbs.
(d) G.I. Sockets	6 Nos.				6 Nos.
Extra for sales Tax, Threading charges etc.					L.S.
7. Petty Supervision Charges.					L.S.
8. Contingencies including petty repairs to T & P and purchase of consumables etc. for Calyx drill.					L.S.

K. K. Nambiar,
Chief Engineer (Highways)

271.

C.P. Ramachandran 1.3.55
Technical Assistant to the
Chief Engineer (Highways)

ESTIMATE FORM - COMPARATIVE STATEMENT OF DIFFERENCE.

Name of work: Surveying and preparing detailed estimate for constructing a bridge over Mulky river at Mile 18/4 of Mangalore - Baindur Coast Road.

Description of work (1)	Item No. (2)	Original Estimate Quantity. (3)	Rate. (4)	Amount. (5)	Revised Estimate. Quantity. (6)	Rate. (7)	Amount. (8)	More. (9)	Less. (10)	Explanation of difference. (11)
Men Mazdoors for surveying & levelling operations.	1	30 Nos	1-8-0	45-0-0	50 Nos.	1-8-0	75	30	-	As per actual necessity.
Men mazdoors for boring operations.	2	480 Nos.	1-8-0	720-0-0	800 Nos.	1-8-0	1200	480	-	Three borings with Calyx dri were ordered to be taken and labour as per actuals.
Purchase of Posts, bamboos ropes etc.for the derrick arrangement.	3/	L.S.		50-0-0	L.S.		140	90	-	As per actual necessity.
Hire charges for boat for surveying and boring operations.	4	L.S.		75-0-0	L.S.		40	-	35	Restricted to actuals.
Repairs to Boring set	5	L.S.		120-0-0	L.S.		40	-	80	Restricted to actuals.
Purchase of materials necessary for the boring set:	6									Purchase of an additional pipe was found necessary, as the borings had to go deeper. -
(a) 3" dia. G.I.Pipes		50 Rft		188-0-0	60 Rft		225	37	-	
(b) Chain pipe wrenches 4"		2 Nos.		80	2 Nos		80	-	-	
(c) Manila Rope		100 Rft		98	100 Rft		98	-	-	
(d) G.I. sockets		-		-	6 Nos		15	15	-	Purchase found necessary.
Extra for threading charges, sales tax etc.		-		-	L.S. on actuals		35	35	-	As per actual necessity.
Petty supervison charges (on ordinary boring mechanic and one Calyx drill mechanic)	7	L.S.	-	200	L.S. on actual		475	275	-	Additional three borings with calyx drill had to be taken and as per actuals.
Contingencies including petty repairs to T & P and purchase of consumables etc.for Calyx drill.	8	L.S.	-	64	L.S. on actuals		177	113	-	-do- and purchase of consumables for running calyx drill is provided for.
				1640			2600	~~113~~ ~~116~~ 1075	115	

(True Copy)

Surveying and Preparing Detailed Estimate
for Constructing a bridge across
Pavanje Reserve R.12/2 of
Mangalore Dalndur Coast Road
Estimate Rs.3,000
(Second Revised estimate)

Report to accompany the II Revised Estimate for Surveying and preparing detailed estimate for constructing a bridge across Pavanje river at Mile 13/2 of Mangalore-Baindur Coast Road.

--101--

1st Revised Estimate Rs. 2,142/-

IInd Revised Estimate Rs. 3,000/-

A revised estimate amounting to Rs.2,142/- was technically approved and financially sanctioned by the Government of India in their letter No.RIV-49(1)/54 dated 15-6-1955 for investigation for constructing a bridge across Pavanje river at Mile 13/2 of Mangalore Baindur Coast Road. The provisions in the estimate had to be exceeded due to reasons given below and hence this second revised estimate.

The petty supervision charges of two percent provided in the original estimate was quite insufficient, as an ordinary boring mechanic and a calyx drill mechanic had to be employed on the work for nearly four months and one month respectively. The mechanics being of the nature of workmen and not of supervisory type, the charges towards their pay and allowances are shown as a separate item in the revised estimate instead of the petty supervision charges Expenditure had to be incurred on repairs to the boring set and other accessory materials and this is now provided for in the revised estimate. Materials such as gunny bags were used for putting up platforms for the calyx drill had to be purchased. Provision for actuals has now been made for these, restricting the item of contingencies to 2½ per cent. There has been slight excess in the expenditure on transport of boring tools and this is also now provided for.

The investigation work has since been completed.

K.K. Nambiar,
Chief Engineer (Highways).

(True Copy)

22/9

P.P. Nanavadekar 23-9-55
Technical Assistant to the
Chief Engineer (Highways).

CK

ABSTRACT ESTIMATE.

Second Revised Estimate for Surveying and preparing detailed estimate for constructing a bridge across Pavanje river at Mile 13/2 of Mangalore-Baindur Coast Road.

Item No. (1)	Quantity. (2)	Description of work. (3)	Rate. (4)	Per. (5)	Amount. (6)	Rs
1.	L.S.	Transport of boring tools including calyx drill and parts.			275	
2.	60 Nos.	Men mazdoors for surveying and levelling operations.	1--8--0	each	75	
3.	800 Nos.	Men mazdoors for boring operations.	1--8--0	"	1200	
4.	L.S.	Purchase of derrick platform materials, ropes etc.			250	
5.	L.S.	Hire charges for boat for surveying and boring.			50	
6.	L.S.	Pay of one ordinary boring mechanic for four months and one calyx drill mechanic for one month			350	
7.	L.S.	Repairs to Boring set			150	
8.	L.S.	Materials and consumables necessary for calyx drill work such as petrol, diesel, Kohl oil, Gunny bags, etc.			375	
9.		Contingencies.			75	
		Total			Rs.3000	

Rupees Three thousand only.

K.K.Nambiar,
Chief Engineer (Highways).

(True Copy)

23/11

E.P. Narasaiah 23-9-55
Technical Assistant to the
Chief Engineer (Highways).

CK

DETAILED ESTIMATE.

Second Revised Estimate for surveying and preparing detailed estimate for constructing a bridge across Pavanje river at mile 12/2 of Mangalore-Baindur Coast Road.

---oOo---

Details of work.	Number	Measurement in feet L.	B.	D.	Area or contents.
1. Transport of boring tools including calyx drill and parts					L.S.
2. Men mazdoors for surveying and levelling operations.					60 Nos.
3. Men mazdoors for boring operations					800 Nos.
4. Purchase of derrick, platform materials, ropes etc.					L.S.
5. Hire charges for boat for surveying and boring.					L.S.
6. Pay of one ordinary boring mechanic for four months and one calyx drill mechanic for one month	On actuals.				L.S.
7. Repairs to Boring set	On actuals.				L.S.
8. Materials and consumables necessary for calyx drill work such as petrol, diesel oil, Mobil oil, Gunny bags for platform etc.					L.S.
9. Contingencies.					L.S.

Second Revised Estimate for surveying and preparing detailed estimate for constructing a bridge across Pavanje river at Mile 13/3 of Mangalore-Mainder Coast Road.

COMPARATIVE STATEMENT OF REVISED ESTIMATES.

Description of work.	Item.	First revised estimate. Quantity.	Rate.	Amount.	Second Revised Estimate. Quantity.	Rate.	Amount.	More.	Less.	Explanation of differences.
Transport of Boring Tools including calyx drill and parts	1	L.S.		200/-	L.S.		275/-	75/-	--	Increase As per actuals.
Men mazdoors for surveying and Levelling operations	2	50	1--8--0	75/-	50	1--8--0	75/-	--	--	--
Men mazdoors for boring operation	3	800	1--8--0	1200/-	800	1--8--0	1200/-	--	--	--
Purchase of derrick, platform materials, ropes etc.	4	L.S.		350/-	L.S.		350/-	--	--	--
Hire charges for boat for surveying and boring.	5	L.S.		50/-	L.S.		50/-	--	--	--
Pay of one ordinary boring mechanic for four months and one calyx drill mechanic for one month	6	L.S.		42/-	L.S. Actuals.		550/-	508/-	--	The pay of the mechanics charged to the work is shown now separately in lieu of L.S.charges of 8%.
Repairs to Boring set.	7			--	L.S.		150/-	150/-	--	Found necessary. As per actuals.
Materials and consumables necessary for calyx drill work.	8			--	L.S.		375/-	375/-	--	-do-
Contingencies ...	9			325/-			75/-	-	250/-	Restricted to 2½%.
				2142/-			3000/-	1108/-	250/-	

PWD

Surveying and Preparing Detailed Estimate

for Constructing a bridge across Mulki River
at M.P/4 of
Mangalore Dalmiur Coast Road

Estimate No. 2,700.
(Second Revised Sh.)

REPORT TO ACCOMPANY THE SECOND REVISED ESTIMATE FOR SURVEYING AND PREPARING DETAILED ESTIMATE FOR CONSTRUCTING A BRIDGE ACROSS KULKI RIVER AT MILE 18/4 OF MANGALORE BAINDUR COAST ROAD.

:::

FIRST REVISED ESTIMATE : Rs.2,168/-

SECOND REVISED ESTIMATE: Rs.3,700/-

:::

A revised estimate amounting to Rs.2,168/- was technically approved and financially sanctioned by the Government of India in their letter No.W.IV-49(i)/54 dated 15-6-1955 for investigation for construction of a bridge across Kulki river at Mile 18/4 of Mangalore Baindur Coast road. The provisions in the estimate had to be exceeded due to reasons given below and hence this second revised estimate.

The petty supervision charges of two per cent provided in the original estimate was quite insufficient as an ordinary boring mechanic and a calyx drill mechanic had to be employed on the work for nearly three months each. These being of the nature of workmen and not of supervisory type, the charges towards their pay and allowances are shown as a separate item in the revised estimate instead of the petty supervision charges. As the conditions for calyx drill boring were difficult, man mazdoors had to be employed for longer time, and this increased the expenditure on man mazdoors for boring operations. Provision has been made for this in the revised estimate. Provision as per actuals has also been made for conveyance charges of calyx drill and accessory

materials, for materials used in erection of platform for calyx drill in river borings and for consumables for the calyx drill. Additional repairs had to be made fo the boring set and provision has also been made for the increased expenditure.

The investigation work has since been completed.

K.K.NAMBIAR
CHIEF ENGINEER (HIGHWAYS)

(TRUE COPY)

E.P. Paravarayu 23.9.55
TECHNICAL ASSISTANT TO THE
CHIEF ENGINEER (HIGHWAYS).

CK

Δ 22/9

ABSTRACT ESTIMATE

SECOND REVISED ESTIMATE FOR SURVEYING AND PREPARING DETAILED ESTIMATE FOR CONSTRUCTING A BRIDGE OVER MULKI RIVER AT MILE 18/4 OF MANGALORE BAINDUR COAST ROAD.

Item No.	Quantity.	Description of work	Rate	Per	Amount
1	50 Nos.	Men mazdoors for surveying and levelling operations.	1-8-0	Each	75
2	1100 Nos.	Men mazdoors for boring operations.	1-8-0	Each	1650
3	L.S.	Purchase of posts, bamboos, ropes etc. for the derrick arrangement.	On actuals		140
4	L.S.	Hire charges for boat for surveying and boring operations	On actuals		60
5	L.S.	Repairs to boring set	On actuals		175
6		Purchase of materials necessary for the boring set.			
a)	60 Rft	3" dia. G.I.Pipes	3-12-0	Rft	225
b)	2 Nos.	Chain pipe wrenches 4"	40-0-0	Each	80
c)	100 Rftor 56 lbs.	Manila rope	1-12-0	lb.	98
d)	6 Nos.	G.I. Sockets	2-8-0	Each	15
	L.S.	Extra for sales tax, threading charges etc.	On actuals		35
7	L.S.	Pay of workcharged establishment : one boring mechanic for 3 months & one calyx drill mechanic for three months.	On actuals		500
8	L.S.	Conveyance of calyx drill and boring materials.	On actuals		140
9		Materials and consumables necessary for calyx drill work such as petrol, diesel oil, mobil oil, gunny bags for platform etc.	On actuals		417
		Contingencies			90
					Rs.3700

RUPEES THREE THOUSAND AND SEVEN HUNDRED ONLY

K.K.NAMBIAR
CHIEF ENGINEER (HIGHWAYS)

(TRUE COPY) E.P. Nadagoda 23.9.55

TECHNICAL ASSISTANT TO THE CHIEF ENGINEER (HIGHWAYS)

22/91

CK

DETAILED ESTIMATE

SECOND REVISED ESTIMATE FOR SURVEYING AND PREPARING DETAILED ESTIMATE FOR CONSTRUCTING A BRIDGE ACROSS MULKI RIVER AT MILE 18/4 OF MANGALORE BAINDUR COAST ROAD.

Item No.	Details of work	Number.	L.	B.	D.	Contents
1	Men mazdoors for surveying and levelling operations.	50				50 Nos.
2	Men mazdoors for boring operations for seven hand bore holes and three calyx drill borings.	1100				1100 Nos.
3	Purchase of posts, bamboos, ropes, etc., for the derrick arrangement.	L.S.				L.S.
4	Hire charges for boats for surveying and boring operations.	L.S.				L.S.
5	Repairs to boring set.	L.S.				L.S.
6	Purchase of materials necessary for the boring set.					
	a) 3" dia. G.I.pipes	6 Nos.	10'-0"			60 Rft
	b) Chain pipe wrenches 4"	2 Nos.				2 Nos.
	c) Manila rope	100 Rft				100 Rft
	d) G.I.Sockets	6 Nos.				6 Nos.
	Extra for sales atax, threading charges, etc.					L.S.
7	Pay of workcharged establishment.: One boring mechanic for 3 months and one calyx drill mechanic for 3 months	On actuals				L.S.
8	Conveyance of calyx drill and boring materials	On actuals				L.S.
9	Materials necessary for calyx drill work, such as, petrol, diesel oil, mobil oil, gunny bags, etc.	On actuals				L.S.
10	Contingencies					L.S.

SECOND REVISED ESTIMATE FOR SURVEYING AND PREPARING [illegible] CONSTRUCTING A BRIDGE ACROSS MULKI RIVER AT MILE 18/4 OF MANGALORE BANTWAL ROAD.

COMPARATIVE STATEMENT OF DIFFERENCES

Description of work	Item No.	First Revised Estimate			Second Revised Estimate			More	Less	Explanation of difference
		Quantity	Rate	Amount	Quantity	Rate	Amount			
Men mazdoors for surveying and levelling operations	1	50 Nos.	1-8-0	75	50 Nos.	1-8-0	75	--	--	
Men mazdoors for boring operations.	2	800 Nos.	1-8-0	1200	1100 Nos.	1-8-0	1650	450	--	As per actual necessity.
Purchase of posts, bamboos, ropes, etc., for the derrick arrangement (on actuals)	3	L.S.		140	L.S.		140	--	--	
Hire charges for boat for surveying & boring operations	4	L.S.		40	L.S.		60	20	--	As per actual necessity.
Repairs to boring set	5	L.S.		40	L.S.		175	135	--	As per actual
Purchase of materials necessary for the boring set	6									
a) 3" dia.G.I.pipes		60 Rft	3-12-0	225	60 Rft	3-12-0	225	--	--	
b) Chain pipe wrenches 4"		2 Nos.	40-0-0	80	2 Nos.	40-0-0	80	--	--	
c) Manila rope		100 Rft @ 56 lbs.	1-12-0 per lbs.	98	100 Rft	1-12-0 per lb	98	--	--	
d) G.I.Sockets		6 Nos.	2-8-0	15	6 Nos.	2-8-0	15	--	--	
Extra charges for sales tax threading charges etc.		L.S.		35	L.S.		35	--	--	
Pay of workcharged establishment one boring mechanic for 3 months and one calyx drill mechanic for 3 months				43			500	457		Pay & allowance of the mechanic have been shown as separate item instead of P.S. charges.

1	2	3	4	5	6	7	8	9	10	11
Conveyance of calyx drill and boring materials.	8				On actuals		140	140	--	Now provided as per actuals.
Materials and consumables necessary for calyx drill work such as petrol, diesel oil, gunny bags for platform work etc.					on actuals'		417	417	--	As per actuals
Contingencies		L.S.		177	--		90	--	67	Restricted to 25%
Total				2168			3700	1619	67	

22/9/71